

Title (en)
ANTIBACTERIAL POLYAMIDE FIBER AND METHOD FOR PRODUCING THE SAME

Title (de)
ANTIBAKTERIELLE POLYAMIDFASER UND HERSTELLUNGSVERFAHREN

Title (fr)
FIBRE POLYAMIDE ANTIBACTERIENNE ET PROCEDE DE FABRICATION

Publication
EP 1270776 A1 20030102 (EN)

Application
EP 00970057 A 20001025

Priority
• JP 0007456 W 20001025
• JP 2000051416 A 20000228

Abstract (en)
An antibacterial polyamide filament which comprises a polyamide resin containing 0.1 to 5.0 mass % of fine zinc oxide particles and exhibits a color difference caused by the treatment with an alkaline solution of 2.5 or less; and a method for producing the antibacterial polyamide filament which comprises adjusting the moisture content of a polyamide resin chip to 0.05 to 2.0 mass %, followed by melt spinning. Preferably, the antibacterial polyamide filament has a bacteriostatic activity after 50 washings of 2.2 or more, which filament can be produced by melt-spinning the polyamide resin to melt spinning and solidifying the resin at a position 400 mm or less from the face of a spinning nozzle.

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IPC 8 full level
D01F 1/10 (2006.01); **D01F 6/60** (2006.01)

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Cited by
CN108659525A; AU2019404016B2; CN115190923A; EP1857577A4; US12043721B2; US9243349B2; US11758909B2; WO2020132002A1; US11185071B2; US12041931B2; WO2010025858A3; WO2023220630A1; WO2021178673A1

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